BRUHAT BANGALORE MAHANAGARA PALIKE

EIRL RATE ANALYSIS

NAME OF WORK: Construction of Drains and Culverts at A Sector, B Sector and Mathrulayout in Ward no:04

Estimate Amount:-	**Rs 250.00 LAKHS**
Approved Amount	**24866233.00**
Name of Contractor:-	**Sri. G. Venkate Gowda S/o Govindaraju, B3-11 2nd Floor SFS 12th B Main Road OMEGA HOSPIRAL Yelahanla New Town Bangalore 560064**
Tender premium:-	**2.99% Above**

Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW @ 6%	Total Rate	Add T.P (+)2.99%	Final Rate.
E1	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specification and as per the directions of the Engineer-in-charge of the work.	Cum	Pg No.140 of KPWD S.R 2018-19	18.47	899.00	77.48	976.48	53.94	1030.42	30.81	1061.23
E2	Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications and as per the directions of the Engineer-in-charge of the work	Cum	Pg No.143 of KPWD S.R 2018-19	19.14	41.00	77.48	118.48	2.46	120.94	3.62	124.56
E3	Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications and as per the directions of the Engineer-in-charge of the work	Sqm	Pg No.147 of KPWD S.R 2018-19	19.64	6.00	0	6.00	0.36	6.36	0.19	6.55

Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW @ 6%	Total Rate	Add T.P (+)2.99%	Final Rate.
E4	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications and as per the directions of the Engineer-in-charge of the work	Cum	Pg No.153 of KPWD S.R 2018-19	20.50	1882.00	0	1882.00	112.92	1994.92	59.65	2054.57

Asst Engineer

Asst Executive Engineer

Executive Engineer
B.B.M.P Division
Yelahanka

	Cum	48.32	5584.01	Four and One Paise Only	

BANGALORE MAHANAGARA PALIKE
Yelahanka Zone
Executive Engineer

BRUHATH BANGALORE MAHANAGARA PALIKE
BYATARAYANAPURA DIVISION
Comparitive Statement

Name of Work:	**Construction of Drains and Culverts at A Sector, B Sector and Mathrulayout in Ward no:04**
Estimate Amount:-	**Rs 250.00 LAKHS**
Name of Contractor:-	**Sri. G. Venkate Gowda S/o Govindaraju, B3-11 2nd Floor SFS 12th B Main Road OMEGA HOSPIRAL Yelahanka New Town Bangalore 560064**
Approved amount:-	**24566233.000**
Tender premium:-	**2.99% Above**

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Qty. as per Anticipated upto 125%			Qty. as per Anticipated above 125%			Total		Difference		Remar
			Qty	Rates	Amount	Qty.	Rates	Amount	Qty.	Rates	Amt	QTY	AMOUNT	excess amount	Savings amount	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Removing and refixing stone slabs of drains and pointing in CM (1:3) (P No-27.1 No-5.33)	Sqm	54.00	116.50	6291	0.00	116.50	0.00	0.00	116.50	0.00	0.00	0.00	0.00	6291.00	
2	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1 Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P No-143, I No-19.1)	Cum	2573.70	225.40	580111.98	2846.31	225.40	641557.60	0.00	225.40	0.00	2846.31	641557.60	61445.62	0.00	
3	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P No-222.1 No-27.18)	Cum	569.95	5676.70	3235435.165	712.44	5676.70	4044293.96	48.32	5584.01	269835.65	760.76	4314129.61	1078694.44	0.00	
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete excluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P No.271, I No.37.59.2 of PW, P&IWTD S.R 2018-19)	Cum	840.95	7401.50	6224291.425	841.38	7401.50	6227501.83	0.00	7401.50	0.00	841.38	6227501.83	0.00	-3210.40	
5	KSRRB - M2300-14. Providing TMT steel reinforcement for R C C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P No.239, I No.29.29.2 of PW, P&IWTD S.R 2018-19)	Tonne	50.86	77469.00	3940073.34	54.81	77469.00	4245722.92	0.00	77469.00	0.00	54.81	4245722.92	305649.58	0.00	
6	Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm	2243.40	2349.00	5269746.6	1795.68	2349.00	4218052.32	0.00	2349.00	0.00	1795.68	4218052.32	0.00	1051694.28	

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Qty. as per Anticipated upto 125%			Qty. as per Anticipated above 125%			Total		Difference		Remarks
			Qty	Rates	Amount	Qty.	Rates	Amount	Qty.	Rates	Amt	QTY	AMOUNT	excess amount	Savings amount	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
7	Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1 2 4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge (Data Rate)	Sqm	27.84	29.00	807.36	7.92	29.00	229.68	0.00	29.00	0.00	7.92	229.68	0.00	577.68	
8	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1 2 4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1 3 plastering and finishing curing including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc ,complete. As per the direction of Engineer incharge. (P No 27. I No 5.30 of PW, P&IWTD SR 2018-19)	Nos	3484.60	453.00	1578523.8	2271.00	453.00	1028763.00	0.00	453.00	0.00	2271.00	1028763.00	0.00	549760.80	
9	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification No KSRRB M800-6. (P No 180, I No 24.1 of PW, P&IWTD SR 2018-19)	Sqm	672.00	89.00	59808	306.57	89.00	27284.73	0.00	89.00	0.00	306.57	27284.73	0.00	32523.27	
10	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS 383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008 mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing) & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to(P No-176,I No-22.6.1)	Cum	300.30	5676.00	1704502.8	272.63	5676.00	1547438.66	0.00	5676.00	0.00	272.63	1547438.66	0.00	157064.14	
11	Providing and laying reinforced cement concrete pipe NP2 for culverts including jointing ends, and fixing collars with cement mortar 1:2 including cost of materials, labour, HOM complete as per specification, curing complete as per specifications. Specifications: No. KSRB 1000, 2300 (600mm dia)(I No-34.7.5,P No-255)	m	60.00	2396.00	143760	0.00	2396.00	0.00	0.00	2396.00	0.00	0.00	0.00	0.00	143760.00	
12	Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead up to 50m and lift 1.5m complete as per specifications. (Material Rates Pg No. II)													0.00	0.00	
	a) 40mm Jelly	Cum	5.78	1133.50	6551.63	0.00	1133.50	0.00	0.00	1133.50	0.00	0.00	0.00	0.00	6551.63	
13	b) 20mm Jelly	Cum	5.78	1143.00	6606.54	0.00	1143.00	0.00	0.00	1143.00	0.00	0.00	0.00	0.00	6606.54	
14	c) Coarse Sand	Cum	5.78	1143.00	6606.54	0.00	1143.00	0.00	0.00	1143.00	0.00	0.00	0.00	0.00	6606.54	
15	d) Fine Sand	Cum	5.78	1104.00	6381.12	0.00	1104.00	0.00	0.00	1104.00	0.00	0.00	0.00	0.00	6381.12	

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Qty. as per Anticipated upto 125%			Qty. as per Anticipated above 125%			Total		Difference		Remarks
			Qty	Rates	Amount	Qty.	Rates	Amount	Qty.	Rates	Amt	QTY	AMOUNT	excess amount	Savings amount	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	EIRL Items															
E1	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specification and as per the directions of the Engineer-in-charge of the work	Cum	0.00	0.00	0.00	255.36	1061.23	270992.93	0.00	0.00	0.00	255.36	270992.93	270992.93	0.00	
E2	Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications and as per the directions of the Engineer-in-charge of the work	Cum	0.00	0.00	0.00	275.90	124.56	34364.44	0.00	0.00	0.00	275.90	34364.44	34364.44	0.00	
E3	Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour. HOM complete as per specifications and as per the directions of the Engineer-in-charge of the work	Sqm	0.00	0.00	0.00	1817.52	6.55	11905.07	0.00	0.00	0.00	1817.52	11905.07	11905.07	0.00	
E4	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC. Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications and as per the directions of the Engineer-in-charge of the work	Cum	0.00	0.00	0.00	40.35	2054.57	82895.66	0.00	0.00	0.00	40.35	82895.66	82895.66	0.00	
	Total of PWD SR 2018-19 Items				17472797.51			18162720.78			269835.65	9742.58	18432556.43	1845947.74	886185.51	
	Total of non SR Items				5296699.79			4218282.00			0.00	1803.60	4218282.00	0.00	1078417.79	
	Sub Total				22769497.30			22381002.78			269835.65	11546.18	22650838.43	1845947.74	1964606.60	
	For 12% Applicable GST				2096735.70			2179526.49			32380.28		2211906.77	221513.73	106342.66	
	Grand Total				24866233.00			24560529.28			302215.93	11546.18	24862745.20	2067461.46	2070949.26	

Cross Check

Tender Amount	**24866233.00**
Executed Amount	**24862745.20**
	3487.80

Total Saving Amount	**2070949.26**
Total Excess Amount	**2067461.46**
	3487.80

Assistant Engineer

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Executive Engineer
B.B.M.P Division
Yelahanka

Contractor

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